

Date : 2026-07-17
Test by : E.V.
Specification : AL-SL-DL-CC-IP68-24-RGB6K
Sample No. : 1

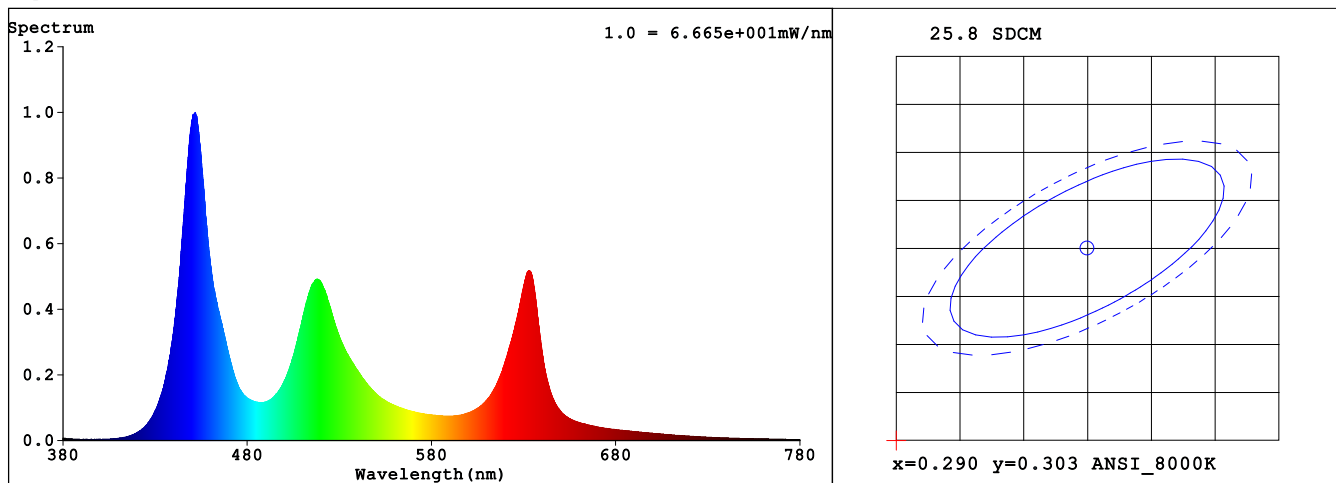
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

Temperature : 25Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 60.0%
IP : 53524 (82%)
T : 125 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.2578$ $y = 0.2549$ / $u' = 0.1860$ $v' = 0.4139$ ($duv = -1.12e-03$)

CCT= 20605K Prcp WL: Ld=476.3nm Purity=33.1%

Peak WL: Lp=452nm FWHM: =17.9nm Ratio:R=18.1% G=73.9% B=8.0%

Render Index: Ra = 67.7 CRI = 61.1 TM30:Rf=72 Rg=119

EEL: 0.23894 A

R1=58 R2=90 R3=73 R4=53 R5=71 R6=89 R7=75
R8=33 R9=0 R10=76 R11=35 R12=71 R13=65 R14=82 R15=45

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 936.12 lm Eff. : 53.82 lm/W Fe = 4.0377 W

Electrical parameters

V = 24.00 V I = 0.7248 A P = 17.39 W PF = 1.000 F=0.00 Hz



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Sample No. : 2

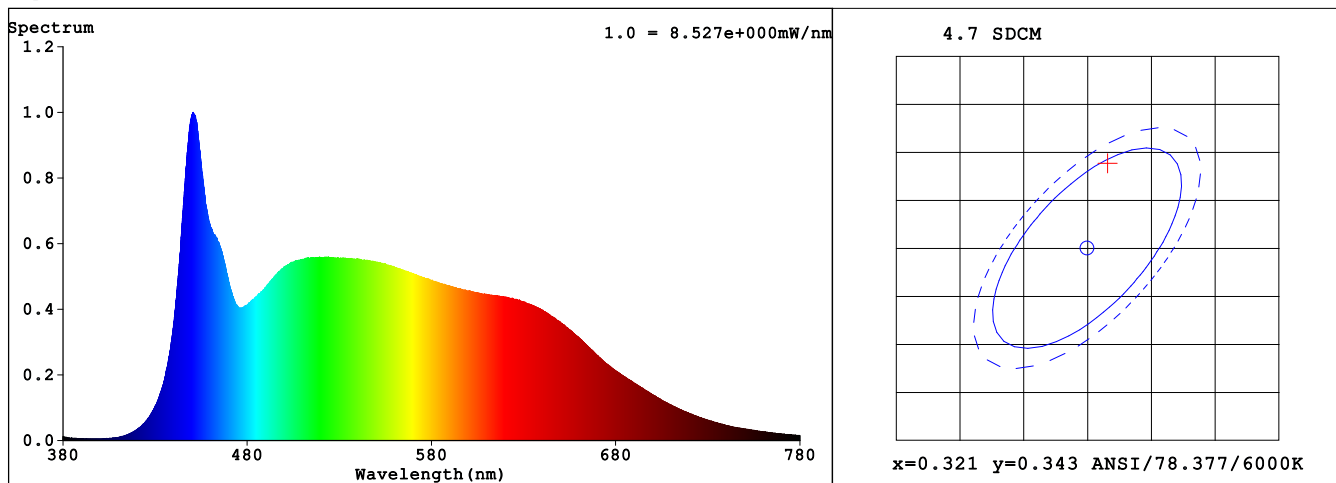
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

Temperature : 25Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 60.0%
IP : 51446 (79%)
T : 852 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3226$ $y = 0.3513$ / $u' = 0.1964$ $v' = 0.4812$ ($duv=1.02e-02$)

CCT= 5920K Prcp WL: Ld=515.9nm Purity=3.7%

Peak WL: Lp=451nm FWHM: =26.9nm Ratio:R=14.8% G=78.7% B=6.6%

Render Index: Ra = 92.5 CRI = 88.8 TM30:Rf=92 Rg=96

EEL: 0.13822 A+

R1 =91 R2 =95 R3 =99 R4 =90 R5 =91 R6 =93 R7 =94
R8 =86 R9 =63 R10=90 R11=91 R12=71 R13=92 R14=99 R15=87
LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 314.17 lm Eff.: 73.34 lm/W Fe = 1.0908 W

Electrical parameters

V = 24.00 V I = 0.1785 A P = 4.284 W PF = 1.000 F=0.00 Hz



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Sample No. : 3

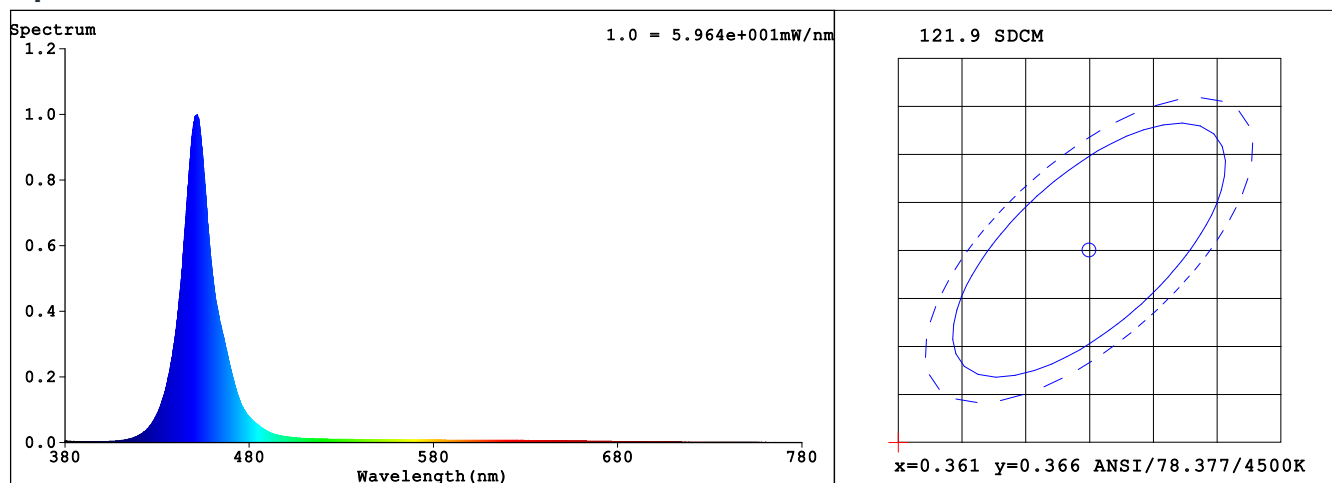
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

Temperature : 25Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 60.0%
IP : 53800 (82%)
T : 147 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1624$ $y = 0.0455$ / $u' = 0.2016$ $v' = 0.1272$ ($duv = -1.85e-01$)

CCT $\geq 100000K$ Prcp WL: $L_d = 456.0nm$ Purity = 93.0%

Peak WL: $L_p = 452nm$ FWHM: $= 17.2nm$ Ratio: R = 5.9% G = 35.9% B = 58.1%

Render Index: $R_a = 15.7$ CRI = 14.2 TM30: $R_f = 0$ $R_g = -102$

EEL: 0.37876 B

R1 = 63 R2 = 0 R3 = 0 R4 = 0 R5 = 63 R6 = 0 R7 = 0
R8 = 0 R9 = 0 R10 = 0 R11 = 0 R12 = 0 R13 = 30 R14 = 0 R15 = 58

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 82.138 lm Eff.: 18.07 lm/W $F_e = 1.4475 W$

Electrical parameters

V = 24.00 V I = 0.1894 A P = 4.545 W PF = 1.000 F = 0.00 Hz



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Sample No. : 4

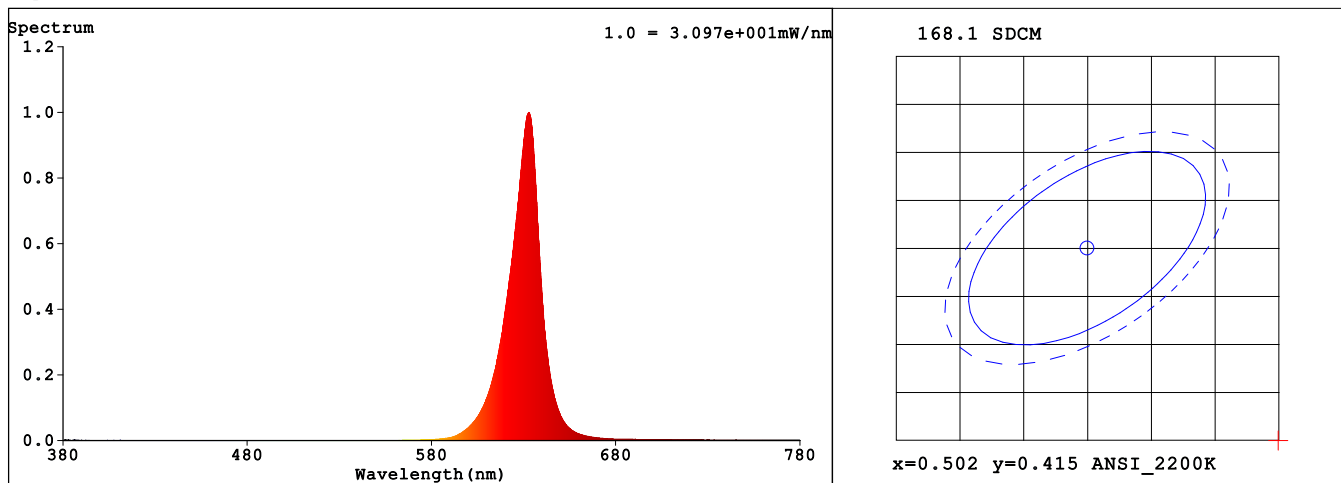
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

Temperature : 25Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 60.0%
IP : 5641l (86%)
T : 147 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.6992$ $y = 0.3046$ / $u' = 0.5320$ $v' = 0.5215$ ($duv = -8.35e-02$)

CCT= 1001K Prcp WL: Ld=621.8nm Purity=100.0%

Peak WL: Lp=633nm FWHM: =16.8nm Ratio:R=96.6% G=3.3% B=0.0%

Render Index: Ra = 26.2 CRI = 30.0 TM30:Rf=0 Rg=0

EEL: 0.26294 B

R1=6 R2=78 R3=30 R4=0 R5=1 R6=89 R7=5
R8=0 R9=0 R10=72 R11=0 R12=79 R13=30 R14=59 R15=0

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 122.82 lm Eff. : 29.62 lm/W Fe = 644.17 mW

Electrical parameters

V = 24.00 V I = 0.1728 A P = 4.147 W PF = 1.000 F=0.00 Hz



Photometric Spectrum

TEST REPORT



Date : 2026-07-17
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Sample No. : 5

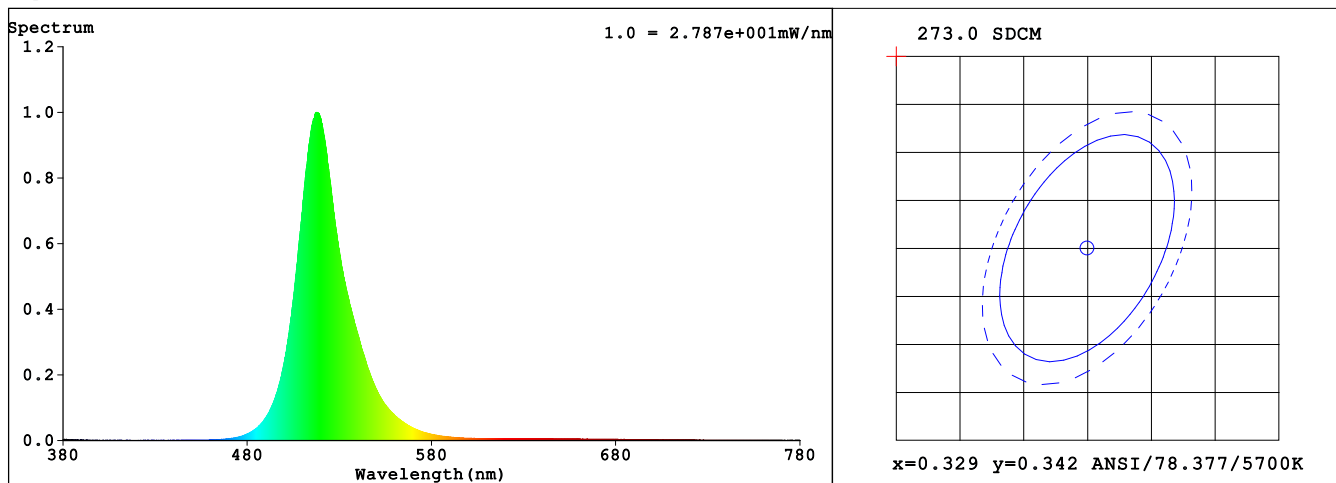
Sam. Status : First Sample Test
Instrument : HaasSuite(EVERFINE)
Remark : 1M
Device SN : HS-2000

Test Condition

Temperature : 25Deg
WL Range : 380nm-780nm
Test Mode : Fast Test
Sensitivity : High

RH : 60.0%
IP : 46553 (71%)
T : 147 ms

Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.1546$ $y = 0.7361$ / $u' = 0.0537$ $v' = 0.5749$ ($duv=1.64e-01$)

CCT= 8017K Prcp WL: Ld=525.1nm Purity=81.8%

Peak WL: Lp=518nm FWHM: =26.0nm Ratio:R=0.5% G=97.7% B=1.9%

Render Index: Ra = 0.0 CRI = 2.2 TM30:Rf=1 Rg=7

EEL: 0.11756 A+

R1=0 R2=0 R3=0 R4=0 R5=0 R6=0 R7=0
R8=0 R9=0 R10=0 R11=0 R12=0 R13=0 R14=34 R15=0

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 429.10 lm Eff. : 92.98 lm/W Fe = 915.05 mW

Electrical parameters

V = 24.00 V I = 0.1923 A P = 4.615 W PF = 1.000 F=0.00 Hz

